

#4

Rec'd PCT/PTO 28 AUG 2001
Patent

Attorney's Docket No. 003300-790

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)	Box: PCT
)	
Åsa BERGLUND)	Attention: DO/EO/US
)	
Application No.: 09/869,269)	Examiner: Barbara A. Campbell
Corresponds to PCT/SE99/02446)	
)	
Filed: July 11, 2001)	
International Filing Date: December 20, 1999)	
)	
For: MODIFICATION OF INTERFERON)	
ALPHA PRODUCTION)	

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS UNDER
35 U.S.C. § 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE**

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

This is in complete response to the Notification of Missing Requirements under
35 U.S.C. § 371 in the United States Designated Elected Office, dated August 16, 2001.

The Notification of Missing Requirements lists the following items as missing from
the requirements for acceptance of this application under 35 U.S.C. § 371:

- ◆ An oath or declaration of the inventors and surcharge for providing the
declaration later than 20 or 30 months from the priority date; and ✓
- ◆ A sequence listing pursuant to 37 C.F.R. § 1.821-1.825. ✓

With regard to the inventor's declaration, Applicant submits that an executed
declaration pursuant to 35 U.S.C. § 371(c)(4) was filed with the U.S. Patent and
Trademark Office on July 11, 2001, along with the appropriate fee of \$65.00 (small entity

fee for furnishing the declaration later than 30 months from the priority date). A copy of the executed Declaration filed on July 11, 2001, as well as a copy of the PTO-stamped postcard indicating receipt of the same, is enclosed herewith. Thus Applicant respectfully requests that the present application be granted the requested priority date.

With regard to the requirement for a sequence listing pursuant to 37 C.F.R. §§ 1.821-1.825, Applicant respectfully submits that the present application does not require a sequence listing because the application does not disclose a nucleic acid or amino acid sequence in the claims, specification or drawings. *See* 37 C.F.R. §§ 1.821-1.825.

Applicant would like to thank Examiner Campbell for discussing the above matters on August 22, 2001. In the telephone conversation, Examiner Campbell suggested that Applicant file a Response to the Notification of Comply with Requirements setting forth the reasons why Applicant has already complied with the requirements of 35 U.S.C. § 371. Applicant submits that those requirements have been met.

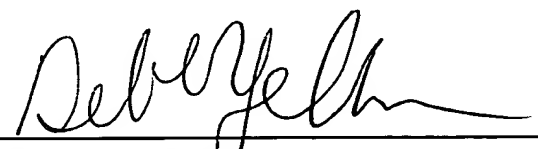
REMARKS

The examination and allowance of the application are respectfully requested.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By: _____


Deborah H. Yellin
Registration No. 45,904

P.O. Box 1404
Alexandria, Virginia 22313-1404
(703) 836-6620

Filed: August 28, 2001



UNITED STATES PATENT AND TRADEMARK OFFICE

Rec'd PCT/PTO 28 AUG 2001

Commissioner for Patents, Box PCT
United States Patent and Trademark Office
Washington, D.C. 20231
www.uspto.gov

U.S. APPLICATION NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
09/869269	BERGLUND	A 003300-790
INTERNATIONAL APPLICATION NO.		
PCT/SE99/02446		
I.A. FILING DATE	PRIORITY DATE	
22 DEC 99	29 DEC 98	

BENTON S DUFFERTT
BURNS DOANE SWECKER & MATHIS
PO BOX 1404
ALEXANDRIA, VA 22313 1404

DATE MAILED: 16 AUG 2001

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

1. The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as ☐ a Designated Office (37 CFR 1.494) ☒ an Elected Office (37 CFR 1.495):

- | | |
|--|---|
| <input checked="" type="checkbox"/> U.S. Basic National Fee. | <input checked="" type="checkbox"/> Indication of Small Entity Status. |
| <input checked="" type="checkbox"/> Copy of the international application. | <input type="checkbox"/> Translation of the international application into English. |
| <input type="checkbox"/> Oath or Declaration of inventors(s). | <input type="checkbox"/> Translation of Article 19 amendments into English. |
| <input type="checkbox"/> Copy of Article 19 amendments. | <input type="checkbox"/> Other: |
| <input checked="" type="checkbox"/> Priority Document. | |
| <input checked="" type="checkbox"/> The International Preliminary Examination Report in English and its Annexes, if any. | |
| <input type="checkbox"/> Translation of Annexes to the International Preliminary Examination Report into English. | |

2. ☐ Applicant has requested early processing under 35 U.S.C. 371(f) but has not filed the following indicated items and/or the indicated items in paragraph 3 below. The Basic National Fee and the copy of the international application must be filed prior to 20 or 30 months from the priority date to avoid abandonment.

- | | |
|---|---|
| <input type="checkbox"/> U.S. Basic National Fee. | <input type="checkbox"/> Copy of the international application. |
|---|---|

3. The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- | |
|--|
| <input type="checkbox"/> a. Translation of the application into English. A processing fee will be required if submitted later than the appropriate 20 or 30 months from the priority date. |
| <input type="checkbox"/> The current translation is defective for the reasons indicated on the attached Notice of Defective Translation. |
| <input type="checkbox"/> b. Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(f)). |
| <input checked="" type="checkbox"/> c. Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), properly identifying the application (preferably by the International application number and international filing date). A surcharge will be required if submitted later than the appropriate 20 or 30 months from the priority date. |
| <input type="checkbox"/> The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/EO/917. |
| <input checked="" type="checkbox"/> d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)). |

4. Additional claim fees of \$ _____ as a ☐ large entity ☐ small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due (37 CFR 1.492(g)). See attached PTO-875.

5. ☒ Applicant has not submitted the required sequence listing pursuant to 37 CFR 1.821-1.825. See attached PCT/DO/EO/920.

ALL OF THE ITEMS SET FORTH IN 3(a)-3(d), 4 AND 5 ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 22 OR 32 MONTHS (where 37 CFR 1.495 applies) FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

6. If box 3a or 3c is checked, a translation of the Annexes **MUST** be submitted no later than the time period set above or the Annexes will be cancelled. A processing fee will be required if submitted later than 20 or 30 months from the priority date.
7. ☐ The Article 19 amendments are cancelled since a translation was not provided by the appropriate 20 (37 CFR 1.494(d)) or 30 (37 CFR 1.495(d)) months from the priority date.

Applicant is reminded that any communication to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above. (37 CFR 1.5)

A copy of this notice MUST be returned with this response.

Enclosed: ☐ PCT/DO/EO/917
☐ PTO-875

☐ Notice of Defective Translation
☒ PCT/DO/EO/920

Barbara A. Campbell

FORM PCT/DO/EO/905 (March 2001)

Telephone: 703-305-3631

BURNS, DOANE, SWECKER &
MATHIS, L.L.P. RECEIVED

AUG 17 2001

Declaration due



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents, Box PCT
United States Patent and Trademark Office
Washington, D.C. 20231
www.uspto.gov

U.S. APPLICATION NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
09/869269	BERGLUND	A 003300-790
INTERNATIONAL APPLICATION NO.		
PCT/SE99/02446		
I.A. FILING DATE	PRIORITY DATE	
22 DEC 99	29 DEC 98	

BENTON S DUFFERTT
BURNS DOANE SWECKER & MATHIS
PO BOX 1404
ALEXANDRIA, VA 22313 1404

DATE MAILED: 16 AUG 2001

**NOTIFICATION TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS
CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE
DISCLOSURES**

Applicant has submitted papers under 35 U.S.C. 371 to enter the national stage in the United States of America. The items indicated below, however, are missing. The period within which to correct the deficiency noted below and avoid abandonment is set forth in the accompanying Notification.

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s):

- ☒ The application fails to comply with the requirements of 37 CFR 1.821-1.825.
- ☒ This application does not contain, a "Sequence Listing" as a separate part of the disclosure on paper copy or compact disc, as required by 37 CFR 1.821(c).
- ☒ A copy of the "Sequence Listing" in computer readable format has not been submitted as required by 37 CFR 1.821(e).
- ☐ A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing."
- ☐ The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).
- ☐ The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e).
- ☐ Other: _____

APPLICANT MUST PROVIDE:

- ☒ An initial or substitute computer readable form (CRF) of the "Sequence Listing."
- ☐ An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification.
- ☒ A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d).

**FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE
CALL:**

(703) 308-4216, for Rules interpretation,
(703) 308-4212, for CRF submission help,
(703) 287-0200, for PatentIn software help.

Barbara A. Campbell

Telephone: 703-305-3631

Applicant/Inventor: Åsa BERGLUND

Appln

09/869,269

70

Docket No. 003300-790

Work Atty: BSD

Date: July 11, 2001

Title: MODIFICATION OF INTERFERON ALPHA PRODUCTION



The following was/were received in the U.S. Patent and Trademark Office on the date stamped hereon:

- | | | |
|---|--|---|
| <input type="checkbox"/> Transmittal Letter to the U.S. Receiving Office/Response to Invitation (PTO-1382) | <input type="checkbox"/> PCT Fee Calculation Sheet Annex to Demand for Int'l. Prel. Examination (PCT/IPEA/401 (Annex)) | <input checked="" type="checkbox"/> Check for \$ <u>65.00</u> is enclosed |
| <input checked="" type="checkbox"/> Transmittal Letter to U.S. Designated/Elected Office (DO/EO/US) Concerning Filing Under 35 USC 371 (PTO-1390) | <input checked="" type="checkbox"/> Executed Declaration/Power of Attorney | <input type="checkbox"/> Check for \$ _____ is enclosed |
| <input type="checkbox"/> PCT Request (PCT/RO/101) (_____) pgs. Including | <input type="checkbox"/> Unexecuted Declaration/Power of Attorney | <input type="checkbox"/> Charge \$ _____ to Deposit Account |
| <input type="checkbox"/> specification (pages 1 - _____) | <input type="checkbox"/> PCT Notice of Confirmation of Precautionary Designations (PCT/RO/144) | <input type="checkbox"/> |
| <input type="checkbox"/> claims (claim(s) 1 - _____ , _____ pgs.) | <input type="checkbox"/> Appointment of Agent | <input type="checkbox"/> |
| <input type="checkbox"/> drawings (Fig(s). 1 - _____ , _____ pgs.) | <input type="checkbox"/> Preliminary Amendment | <input type="checkbox"/> |
| <input type="checkbox"/> Abstract of the Disclosure | <input type="checkbox"/> Assignment/Assignment Recordation Form Cover Sheet (PTO-1595) | <input type="checkbox"/> |
| <input type="checkbox"/> PCT Fee Calculation Sheet Annex to the Request (PCT/RO/101 (Annex)) | <input type="checkbox"/> Information Discl. Statement Transmittal Letter | <input type="checkbox"/> |
| <input type="checkbox"/> PCT Demand (PCT/IPEA/401) International Preliminary Exam. Report | <input type="checkbox"/> Information Disclosure Citation (PTO-1449) | <input type="checkbox"/> |
| | <input type="checkbox"/> Information Disclosure Statement w/ _____ document(s) | <input type="checkbox"/> |



35

(03/01)

COPY

FORM-PTO-1390 (Rev. 12-29-99)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371			003300-790
			U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)
INTERNATIONAL APPLICATION NO. PCT/SE99/02446	INTERNATIONAL FILING DATE 22 December 1999	PRIORITY DATE CLAIMED 29 December 1998	
TITLE OF INVENTION MODIFICATION OF INTERFERON ALPHA PRODUCTION			
APPLICANT(S) FOR DO/EO/US ÅSA BERGLUND			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
1. <input type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input checked="" type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and the PCT Articles 22 and 39(1). 4. <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. 5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> has been transmitted by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US) 6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been transmitted by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11. to 16. below concern other document(s) or information included: 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 14. <input type="checkbox"/> A substitute specification. 15. <input type="checkbox"/> A change of power of attorney and/or address letter. 16. <input type="checkbox"/> Other items or information:			

COPY

7-1101ND

U.S. APPLICATION NO. (If known, / see 37 C.F.R. 1.50) 09/869, 269		INTERNATIONAL APPLICATION NO. PCT/SE99/02446		ATTORNEY'S DOCKET NUMBER 003300-790	
17. <input checked="" type="checkbox"/> The following fees are submitted:				CALCULATIONS	PTO USE ONLY
Basic National Fee (37 CFR 1.492(a)(1)-(5)): Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1,000.00 (960) International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$860.00 (970) International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$710.00 (958) International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$690.00 (956) International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00 (962)					
ENTER APPROPRIATE BASIC FEE AMOUNT =				\$ --	
Surcharge of \$130.00 (154) for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)). 20 <input type="checkbox"/> 30 <input checked="" type="checkbox"/>				\$ 130.00	
Claims	Number Filed	Number Extra	Rate		
Total Claims	-20 =	--	X\$18.00 (966)	\$ --	
Independent Claims	-3 =	--	X\$80.00 (964)	\$ --	
Multiple dependent claim(s) (if applicable)			+ \$270.00 (968)	\$ --	
TOTAL OF ABOVE CALCULATIONS =				\$ 130.00	
Reduction for 1/2 for filing by small entity, if applicable (see below).				\$ 65.00	
SUBTOTAL =				\$ 65.00	
Processing fee of \$130.00 (156) for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492(f)). 20 <input type="checkbox"/> 30 <input type="checkbox"/>				\$ --	
TOTAL NATIONAL FEE =				\$ 65.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 (581) per property +				\$ --	
TOTAL FEES ENCLOSED =				\$ 65.00	
				Amount to be: refunded	\$
				charged	\$


- a. ☒ Small entity status is hereby claimed.
- b. ☒ A check in the amount of \$ 65.00 to cover the above fees is enclosed.
- c. ☐ Please charge my Deposit Account No. 02-4800 in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.
- d. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-4800. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Benton S. Duffett, Jr.
BURNS, DOANE, SWECKER & MATHIS, L.L.P.
P.O. Box 1404
Alexandria, Virginia 22313-1404
(703) 836-6620

Filed: July 11, 2001


SIGNATURE

Benton S. Duffett, Jr.
NAME

22,030
REGISTRATION NUMBER

**COMBINED DECLARATION AND POWER OF ATTORNEY
FOR UTILITY PATENT APPLICATION**

Attorney's Docket No.

003300-790

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I BELIEVE I AM THE ORIGINAL, FIRST AND SOLE INVENTOR (if only one name is listed below) OR AN ORIGINAL, FIRST AND JOINT INVENTOR (if more than one name is listed below) OF THE SUBJECT MATTER WHICH IS CLAIMED AND FOR WHICH A PATENT IS SOUGHT ON THE INVENTION ENTITLED:

MODIFICATION OF INTERFERON ALPHA PRODUCTION

the specification of which

(check one)

☐

is attached hereto;

☒

was filed on December 22, 1999 as

Application No. PCT/SE99/02446

and was amended on January 24, 2001;
(if applicable)

COPY

I HAVE REVIEWED AND UNDERSTAND THE CONTENTS OF THE ABOVE-IDENTIFIED SPECIFICATION, INCLUDING THE CLAIMS, AS AMENDED BY ANY AMENDMENT REFERRED TO ABOVE;

I ACKNOWLEDGE THE DUTY TO DISCLOSE TO THE OFFICE ALL INFORMATION KNOWN TO ME TO BE MATERIAL TO PATENTABILITY AS DEFINED IN TITLE 37, CODE OF FEDERAL REGULATIONS, Sec. 1.56 (as amended effective March 16, 1992);

I do not know and do not believe the said invention was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to said application; that said invention was not in public use or on sale in the United States of America more than one year prior to said application; that said invention has not been patented or made the subject of an inventor's certificate issued before the date of said application in any country foreign to the United States of America on any application filed by me or my legal representatives or assigns more than twelve months prior to said application;

I hereby claim foreign priority benefits under Title 35, United States Code Sec. 119 and/or Sec. 365 of any foreign application(s) for patent or inventor's certificate as indicated below and have also identified below any foreign application for patent or inventor's certificate on this invention having a filing date before that of the application(s) on which priority is claimed:

COMBINED DECLARATION AND POWER OF ATTORNEY

Attorney's Docket No.

003300-790

COUNTRY/INTERNATIONAL	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
Sweden	9804583-4	29 December 1998	YES <u>X</u> NO <u> </u>
			YES <u> </u> NO <u> </u>

I hereby appoint the following attorneys and agent(s) to prosecute said application and to transact all business in the Patent and Trademark Office connected therewith and to file, prosecute and to transact all business in connection with international applications directed to said invention:

William L. Mathis	17,337	Eric H. Weisblatt	30,505	Bruce T. Wieder	33,815
Robert S. Swecker	19,885	James W. Peterson	26,057	Todd R. Walters	34,040
Platon N. Mandros	22,124	Teresa Stanek Rea	30,427	Ronni S. Jillions	31,979
Benton S. Duffett, Jr.	22,030	Robert E. Krebs	25,885	Harold R. Brown III	36,341
Norman H. Stepno	22,716	William C. Rowland	30,888	Allen R. Baum	36,086
Ronald L. Grudziecki	24,970	T. Gene Dillahunt	25,423	Brian P. O'Shaughnessy	32,747
Frederick G. Michaud, Jr.	26,003	Patrick C. Keane	32,858	Kenneth B. Leffler	36,075
Alan E. Kopecki	25,813	B. Jefferson Boggs, Jr.	32,344	Fred W. Hathaway	32,236
Regis E. Slutter	26,999	William H. Benz	25,952	Wendi L. Weinstein	34,456
Samuel C. Miller, III	27,360	Peter K. Skiff	31,917	Mary Ann Dillahunt	34,576
Robert G. Mukai	28,531	Richard J. McGrath	29,195		
George A. Hovanec, Jr.	28,223	Matthew L. Schneider	32,814		
James A. LaBarre	28,632	Michael G. Savage	32,596		
E. Joseph Gess	28,510	Gerald F. Swiss	30,113		
R. Danny Huntington	27,903	Charles F. Wieland III	33,096		



and: none

Address all correspondence to:



21839

Benton S. Duffett, Jr.
BURNS, DOANE, SWECKER & MATHIS, L.L.P.
P.O. Box 1404
Alexandria, Virginia 22313-1404

Address all telephone calls to: Benton S. Duffett, Jr. at (703) 836-6620.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF SOLE OR FIRST INVENTOR	SIGNATURE	DATE
ÅSA BERGLUND	<i>Åsa Berglund</i>	2001-06-27
RESIDENCE	CITIZENSHIP	
Umeå, Sweden	Sweden	
POST OFFICE ADDRESS		
Tisdagsvägen 5, SE-906 37 Umeå, Sweden		
FULL NAME OF SECOND JOINT INVENTOR, IF ANY	SIGNATURE	DATE
RESIDENCE	CITIZENSHIP	
POST OFFICE ADDRESS		

FORM-PTO-1390 (Rev. 12-29-99)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371				003300-790	
				U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)	
INTERNATIONAL APPLICATION NO. PCT/SE99/02446		INTERNATIONAL FILING DATE 22 December 1999		PRIORITY DATE CLAIMED 22 December 1998	
TITLE OF INVENTION MODIFICATION OF INTERFERON ALPHA PRODUCTION					
APPLICANT(S) FOR DO/EO/US Åsa BERGLUND					
<p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"> 1. <input type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input checked="" type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and the PCT Articles 22 and 39(1). 4. <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. 5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> has been transmitted by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US) 6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been transmitted by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). <p>Items 11. to 16. below concern other document(s) or information included:</p> <ol style="list-style-type: none"> 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 14. <input type="checkbox"/> A substitute specification. 15. <input type="checkbox"/> A change of power of attorney and/or address letter. 16. <input checked="" type="checkbox"/> Other items or information: <p style="margin-top: 20px;">Copy of Form PCT/DO/EO/905; copy of PCT/DO/EO/920; Response to Notification of Missing Requirements under 35 U.S.C. 371 in the United States Designated/Elected Office; Copy of executed Combined Declaration and Power of Attorney for Utility Patent Application filed on July 11, 2001 with a copy of the PTO-stamped postcard indicating receipt of the same.</p>					

U.S. APPLICATION NO. (If known, / see 37 C.F.R. 1.50) 09/869,269		INTERNATIONAL APPLICATION NO. PCT/SE99/02446		ATTORNEY'S DOCKET NUMBER 003300-790	
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17. <input type="checkbox"/> The following fees are submitted:				CALCULATIONS	PTO USE ONLY
Basic National Fee (37 CFR 1.492(a)(1)-(5)): Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1,000.00 (960) International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$860.00 (970) International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$710.00 (958) International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$690.00 (956) International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00 (962)					
ENTER APPROPRIATE BASIC FEE AMOUNT =					
Surcharge of \$130.00 (154) for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)). 20 <input type="checkbox"/> 30 <input type="checkbox"/>					
Claims	Number Filed	Number Extra	Rate		
Total Claims	20 -20 =	0	X\$18.00 (966)	\$ 0.00	
Independent Claims	1 -3 =	0	X\$80.00 (964)	\$ 0.00	
Multiple dependent claim(s) (if applicable)			+ \$270.00 (968)	\$	
TOTAL OF ABOVE CALCULATIONS =				\$ 0.00	
Reduction for 1/2 for filing by small entity, if applicable (see below).				\$	-
SUBTOTAL =				\$ 0.00	
Processing fee of \$130.00 (156) for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492(f)). 20 <input type="checkbox"/> 30 <input type="checkbox"/>					
TOTAL NATIONAL FEE =				\$	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 (581) per property +					
TOTAL FEES ENCLOSED =				\$ 0.00	
				Amount to be:	
				refunded	\$
				charged	\$

a. ☐ Small entity status is hereby claimed.

b. ☐ A check in the amount of \$_____ to cover the above fees is enclosed.

c. ☐ Please charge my Deposit Account No. 02-4800 in the amount of \$_____ to cover the above fees. A duplicate copy of this sheet is enclosed.

d. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-4800. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

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